

A DUAL BANDGAP VOLTAGE REFERENCE SYSTEM AND METHOD FOR
REDUCING CURRENT CONSUMPTION DURING A STANDBY MODE OF
OPERATION AND FOR PROVIDING REFERENCE STABILITY DURING AN
5 ACTIVE MODE OF OPERATION

ABSTRACT OF THE DISCLOSURE

A method of operating a memory includes generating a first reference
10 voltage and detecting an active mode of operation of the memory. Upon detection of the
active mode, commencing the charging of a node to develop a second reference voltage
having a desired value on the node. The word line drive voltage is generated using the first
reference voltage while the node is charging the second reference voltage to the desired
value. The word line drive voltage is generated using the second reference voltage once the
15 second reference voltage on the node has been charged to the desired value. A standby
mode of operation of the memory is detected, and upon detection of the standby mode, the
charging of the node is terminated and the word line drive voltage is generated using the
first reference voltage.